

For students entering Level 2 in September 2019 or after

**ELECTRICAL ENGINEERING & MANAGEMENT**

<b>LEVEL I</b>		<b>Total units:</b>	<b>37</b>				
<b>Course</b>	<b>Description</b>	<b>Units</b>	<b>Course</b>	<b>Description</b>	<b>Units</b>		
ENGINEER 1A00	Safety Training	0	PHYS 1E03	Waves, Electricity and Magnetic Fields	3		
CHEM 1E03	General Chemistry for Engineering I	3	ENGINEER 1D04	Engineering Computation	4		
PHYS 1D03	Introductory Mechanics	3	MATH 1ZB3	Engineering Mathematics II-A	3		
ENGINEER 1C03	Engineering Design and Graphics	3	MATH 1ZC3	Engineering Mathematics II-B	3		
MATH 1ZA3	Engineering Mathematics I	3	MATLS 1M03	Structure and Properties of Materials	3		
ENGINEER 1P03	Engineering Profession and Practice	3	ELECTIVE	Complementary Studies Elective	3		
ELECTIVE	Complementary Studies Elective	3					
<b>TERM 1 UNITS</b>			<b>18</b>	<b>TERM 2 UNITS</b>			<b>19</b>
<b>LEVEL II</b>		<b>Total units:</b>	<b>35</b>				
<b>Course</b>	<b>Description</b>	<b>Units</b>	<b>Course</b>	<b>Description</b>	<b>Units</b>		
ELECENG 2C15	Introduction to Electrical Engineering	5	ELECENG 2CJ4	Circuits and Systems	4		
COMPENG 2SH4	Principles of Programming	4	COMPENG 2S14	Data Struct., Algo. and Discrete Maths	4		
ENGNMGT 2AA2	Communication Skills	2	COMPENG 2DX4	Microprocessor Systems Project	4		
COMM 1AA3	Financial Accounting I	3	STATS 3Y03	Probability and Statistics for Engineering	3		
ECON 1BB3	Introductory Macroeconomics	3					
MATH 2Z03	Engineering Mathematics III	3					
<b>TERM 1 UNITS</b>			<b>20</b>	<b>TERM 2 UNITS</b>			<b>15</b>
<b>LEVEL III</b>		<b>Total units:</b>	<b>35</b>				
<b>Course</b>	<b>Description</b>	<b>Units</b>	<b>Course</b>	<b>Description</b>	<b>Units</b>		
ELECENG 3TP3	Signals and Systems	3	ELECENG 2EI5	Electronics Devices and Circuits I	5		
ELECENG 3TQ3	Advanced Probability and Random Processes	3	ELECENG 2FH4	Electromagnetics I	4		
COMPENG 2DI4	Logic Design	4	ELECENG 3EY4	Electrical Systems Integration Project	4		
COMM 1BA3	Organizational Behaviour	3	COMPENG 3SK3	Computer Aided Engineering	3		
COMM 2AB3	Managerial Accounting I	3	COMM 2FA3	Introduction to Finance	3		
COMM 2MA3	Introduction to Marketing	3					
<b>TERM 1 UNITS</b>			<b>16</b>	<b>TERM 2 UNITS</b>			<b>19</b>
<b>LEVEL IV</b>		<b>Total units:</b>	<b>38</b>				
<b>Course</b>	<b>Description</b>	<b>Units</b>	<b>Course</b>	<b>Description</b>	<b>Units</b>		
ELECENG 3EJ4	Electronic Devices and Circuits II	4	ELECENG 3TR4	Communications Systems	4		
ELECENG 3FK4	Electromagnetics II	4	ELECENG 3PI4	Energy Conversion	4		
ENGNMGT 4A03	Innovation Driven Project Development and Management	3	ELECENG 3CL4	Introduction to Control Systems	4		
ENGINEER 4A03	Engineering and Social Responsibility	3	COMM 2BC3	Human Resource Management and Labour I	3		
COMM 3FA3	Managerial Finance	3	COMM 3MC3	Applied Marketing Management	3		
COMM ELECTIVE		3					
<b>TERM 1 UNITS</b>			<b>20</b>	<b>TERM 2 UNITS</b>			<b>18</b>
<b>LEVEL V</b>		<b>Total units:</b>	<b>29</b>				
<b>Course</b>	<b>Description</b>	<b>Units</b>	<b>Course</b>	<b>Description</b>	<b>Units</b>		
ELECENG 4O16	Engineering Design	3	ELECENG 4O16	Engineering Design	3		
ENGNMGT 5B03	Engineering and Management Projects	3	COMM 4QA3	Operations Modelling and Analysis	3		
COMM 4PA3	Business Policy: Strategic Management	3	COMM ELECTIVE	Commerce Elective	3		
ELECTIVE	ECE Directed Technical Elective*	4	ELECTIVE	ECE Directed Technical Elective*	4		
ELECTIVE	ECE Directed Technical Elective*	4	ELECTIVE	Complementary Studies Elective	3		
ELECTIVE	Fac of Eng. Technical Elective	3	ELECTIVE	ECE Directed Technical Elective*	4		
<b>TERM 1 UNITS</b>			<b>13</b>	<b>TERM 2 UNITS</b>			<b>16</b>

\* From the list of courses in undergraduate calendar

ECE Technical Elective refers to courses on the Approved List for each program found under the website heading "Resources".

ECE Directed Technical Elective refers to the courses listed for your program in the Undergraduate Calendar.

Faculty of Engineering Technical Elective refers to any 3 or 4 unit course at Level 3 or 4 from any department in the Faculty of Engineering (exceptions: ENGINEER 3N03, and any ElecEng or CompEng course).